

REMARKS

Claims 1-2 are pending in this application and were rejected by the Examiner. Claim 1 is amended, claim 2 has been cancelled. Support for the claim amendments is found throughout the specification and the drawings. No new matter has been entered by this amendment. In view of the following amendments and remarks, Applicant respectfully requests reconsideration of the application.

A. Rejection under 35 U.S.C. § 103(a)

Claims 1 and 2 were rejected under 35 U.S.C. § 103(a) as being obvious over US Patent Number 6,774,849 to Umehara in view of US Patent Number 5,173,711 to Takeuchi. The combination of Umehara and Takeuchi do not disclose all of the limitations of claim 1. Specifically, neither Umehara nor Takeuchi disclose, alone or in combination, the use of a first and a second shorted conductor plates that are bent to extend from a plurality of points on the outer edges of the radiating conductor plate and connected to the ground conductor surface, with the first and second conductor plates having different distances to the power-feeding conductor plate.

While Umehara discloses a single shorted conductor plate, Umehara does disclose or suggest the use of multiple shorted conductor plates located at different distances to the power feeding conductor plate. Takeuchi discloses in FIG. 2 short circuiting conductor pins 281-284 to short each of the microstrip radiation conductors 211-214, respectively, to the conducting ground plane (not shown). While the figure shows the use of two pins for each short circuiting conductor pin 281-284, these pins are positioned in close proximity to each other on each of the microstrip radiation conductors 211-214. Therefore, these pins are not at different distances from the power-feeding conductor plate, as is required by the claim. The use of the shorting pins disclosed in Takeuchi in combination with the structure disclosed in Umehara would not provide a first frequency component that resonates at a position of the first shorted conductor and a second frequency component that resonates at a position of the second shorted conductor because the shorting pins on each of the microstrip radiation

Application Number: 10/810,021
Amendment Dated: August 17, 2005
Reply to Office Action of May 18, 2005

conductors are not located at different distances from the power feeding conductor plate.

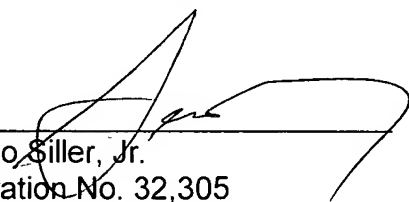
Because the combination of Umehara and Takeuchi do not disclose the limitations of this claim, either alone or in combination, the combination of these references cannot render claim 1 obvious. Therefore, Applicant respectfully requests that the rejection of claim 1 be withdrawn. Claim 2 has been cancelled.

SUMMARY

Claim 1 is patentable. Applicant respectfully requests that the Examiner grant early allowance of this application. The Examiner is invited to contact the undersigned attorney for the Applicant via the telephone if such communication would expedite the application.

Respectfully submitted,

Dated: August 17, 2005



Gustavo Siller, Jr.
Registration No. 32,305
Attorney for Applicant

BRINKS HOFER GILSON & LIONE
P.O. BOX 10395
CHICAGO, ILLINOIS 60610
(312) 321-4200